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6-OXA-3-phosphabicyclo[3.1.0]hexane 3-oxide derivatives

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Abstract

1. A new group of organophosphorus epoxides with bicyclic systems consisting of condensed phospholane and oxirane rings was prepared. 2. Organic peroxy acids react smoothly with the double bonds of 3-phospholene 1-oxides, but not with those of 2-phospholene 1-oxides. 3. The behavior of phospholene 1-oxides in reactions with electrophilic peroxy acids shows that the nucleophilicity of the double bond in these substances greatly depends on its position in the ring. © 1969 Consultants Bureau.

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